

Assistant Container Inspector (AUX-CI)



Performance Qualification System (PQS) Workbook

Auxiliary Assistant Container Inspector (AUX -CI)

INTENT

Upon successful completion of this personal qualification, a person will hold the minimum competencies to complete an exterior Container Inspection, including a review of both the transportation markings/papers and external container integrity. Auxiliary members will conduct these inspections as part of an inspection team. Auxiliarists do not have law enforcement authority and cannot independently exercise COTP, OCMI, or FOSC authority. They may become personally liable for actions they take outside of prescribed directives. Do not allow an Auxiliary Container Inspector to be placed in a position that will compromise the limits on his or her member status.

Marine Safety and Environmental Protection Training Guide

Assistant Container Inspector

This booklet is your personal ‘on the job training’ guide to qualification as an Assistant Container Inspector. It is your responsibility to document completed unit training items. For OJT, a person already holding this qualification code (called a verifying officer/mentor) is to review your qualifications and/or observe you perform each task and sign in the appropriate space provided in this booklet. It may be necessary to perform a task several times. The verifying officer will not give credit for any task that is not performed satisfactorily.

Multiple verifying officers may make entries in your manual. Every verifying officer/mentor must enter his or her name, rate/rank or Auxiliary qualification, signature, and initials in the Record of Verifying Officers section. When you have completed all of the items required by your command for this qualification, your command will issue a letter of designation.

Reference Materials:

49 CFR

International Standards Organization (ISO Handbook, “Freight Containers”

COMDTINST M16616.11

COMDTINST M16000

IMDG Code Vol I, General Introduction

DOD MIL-HDBK 138A, “Container Inspection Handbook for Commercial and Military Intermodal Containers”

Institute of International Container Lessors, Ltd.- “Guide for Container Equipment Inspection”

Institute of International Container Lessors, Ltd.- “Repair Manual for Steel Containers”

*****Auxiliary support of this program is limited to pre-examination preparation, external inspections of containers and documentation of findings. Auxiliary personnel may not conduct internal container inspections. This is due to an OSHA medical examination requirement for activities around Hazardous Materials. In addition, Marine Safety enforcement actions and inspections of Military Explosive container shipments by Auxiliary members are not authorized. *****

Auxiliary Assistant Container Inspector (AUX -CI)

Auxiliary Assistant Container Inspector (AUX-CI) Tasks:

(Optional items are at the discretion of individual commands)

	Date Completed	Verifying Officer
A. Completion of required training courses (attach copy of completion certificates):		
1. Complete Introduction to Marine Safety and Environmental Protection Course	_____	_____
B. Completion of OPTIONAL local training		
1. Accompany local National Cargo Bureau (NCB) Surveyor conducting hazardous materials container inspections (USCG/NCB MOU of 20 July 94, COMDTINST M16000.15).	_____	_____
2. Accompany local U. S. Customs Service inspector's conduction contraband inspections of containerized cargo (USCG/USCS MOU of 12 Dec 88, COMDTINST M16000.15).	_____	_____
3. Short-term operational training with the Marine Industry, such as hazardous materials shippers, facility operators, carriers, etc. (Chapter 7.H.4 COMDTINST M16000.6).	_____	_____
4. CITAT traveling courses:		
a. Hazardous Materials Transportation seminar	_____	_____
b. Field Training/ OJT	_____	_____
B. Oral board (unit level) – CI.	_____	_____
C. Completed package with documentation submitted to Training Officer/Coordinator for review	_____	_____

All qualification requirements have been satisfactorily completed.

Training Officer/Coordinator Date

Auxiliary Assistant Container Inspector (AUX -CI)

Record of Verifying Officers:

<i>Date:</i>	<i>Name/Signature:</i>	<i>Initials:</i>	<i>Rate/Rank/Office:</i>

Auxiliary Assistant Container Inspector (AUX -CI)

ACI-1 GENERAL KNOWLEDGE FACTORS

<i>Task No.</i>	<i>OJT Task</i>	<i>Date Completed</i>	<i>Verifying Officer's Initials</i>
CG AUTHORITY AND JURISDICTION			
ACI1	Describe CG jurisdictional boundaries to conduct container inspection (searches) under the following statutes and conventions (NOTE: See Section III-D of this MST & Q Guide for law enforcement actions *reference only*):		
	a. The Hazardous Materials Transportation Authorization Act (HMTAA: 49 U.S.C. Chapter 51 and implementing regulations (49 CFR 171-173 and 176),		
	b. International Safe Container Act (ISCA; 46 Appendix U.S.C. Chapter 34) and implementing regulations (49 CFR 450-453), and		
	c. Ports and Waterway Safety Act as amended, (PWSA; 33 U.S.C. 1221 et seq) and implementing waterfront facility regulations (33 CFR 126), and		
	d. MARPOL 73/78, Annex III Convention and implementing regulation (49 CFR 171, 172, 173, 174 and 175).		
ACI2	Explain container inspection (search) jurisdictional limitations (Chapter 9, COMDTINST M16000.11) of a:		
	a. Consensual search of general cargo containers, and		
	b. Search based upon reasonable suspicion.		
ACI3	Explain the range of possible consequences of an illegal search.		
ACI4	Explain the differences between “tailgate” and devanning inspection (searches). What additional actions must be followed for devanning? (Chapter 9, COMDTINST M16000.11)		
ACI5	Describe the federal conditions and limitations under which IMDG Code shipments may be offered or accepted for transportation within the U.S. (49CFR171.12[b]).		
ACI6	Describe the federal conditions and limitations under which IMDG Code shipments may transit port areas (49CFR171.12[c]).		

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<i>Task No.</i>	<i>OJT Task</i>	<i>Date Completed</i>	<i>Verifying Officer's Initials</i>
INDUSTRY STANDARDS			
ACI7	Explain how the following industry standards are used by shippers and carriers:		
	a. The International Standards Organization (ISO Handbook, "Freight Containers", and 49 CFR 452.3),	_____	_____
	b. The Institute of International Container Lessors, Ltd. (IICL): "Guide for Container Equipment Inspections", and	_____	_____
	c. The Institute of International Container Lessors, Ltd. (IICL) guide: "Repair Manual for Steel Containers."	_____	_____
RESPONSIBILITIES FOR TRANSPORTATION AND STORAGE OF NON-BULK HAZMAT			
ACI8	Define "person" under the HMTAA and Describe their responsibilities (49 CFR 171.8 and 171.2).	_____	_____
ACI9	Define "hazmat employer" and "hazmat employee" (49CFR171.8)	_____	_____
ACI10	Describe "hazmat employer" training responsibilities (49CFR172 Subpart H)	_____	_____
ACI11	Describe terminal operators responsibilities (49CFR171.2, and 172 Subpart G; 33CFR126)	_____	_____
ACI12	Describe shippers responsibilities (49CFR171.2; 172 Subparts A, C, D, E, F, G, and H; and Part 173)	_____	_____
ACI13	Describe vessel carriers responsibilities to handle certain hazardous materials (49CFR176.100 and 176.415)	_____	_____
SHIPMENT OF NON-BULK HAZMAT VIA RAIL, WATER AND HIGHWAY MODES			
ACI14	Describe Special Placarding provisions (49CFR172.507 and 172.510)	_____	_____
ACI15	Describe Exception provisions for 454 Kg/1001 lbs (49CFR172.504)	_____	_____
ACI16	Describe documentation:		
	a. Marine Pollutants (49CFR171.4 and 172.322)	_____	_____
	b. Additional descriptions (49CFR172.203)	_____	_____

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ACI17	Explain the conditions under which IMDG is authorized for United States import and export of dangerous goods/ hazardous material shipments (49CFR171.12)		
	PLACARDING REQUIREMENTS		
ACI18	Describe the following Placarding requirements:		
	a. Applicability (49CFR172.500 [a])		
	b. Exceptions (49CFR172.500[b])		
	c. Prohibited Placarding (49CFR172.502)		
	d. Display of identification number on placards (49CFR172.503)		
	e. General Placarding (49CFR172.504)		
	f. Dangerous placards (49CFR172.504)		
	g. Additional exceptions (49CFR172.504[f])		
	h. Subsidiary hazards (49CFR172.505, and 172.519[b][4])		
	i. Bulk packaging (49CFR172.514)		
	j. Size and design (49CFR172.519)		
	INDUSTRIAL HEALTH		
ACI19	Describe the health hazards associated with container inspections (Chapter 10 Appendix A, COMDTINST M16000.6) **Auxiliary members are NOT allowed to participate in the opening and entry of containers. **		
ACI20	Demonstrate proper utilization of hazardous material information, including the following sources:		
	a. Manufacturer's Material Safety Data Sheet/Material information Bulletin,		
	b. CHRIS Manual (COMDTINST M16465.11) and		
	c. DOT Emergency Response Guidebook (DOT P 5800.5)		
ACI21	Describe the following hazards and first-aid treatment (Chapter 10, COMDTINST M1600.6 and Coast Guardsman Manual):		
	a. Oxygen deprivation		
	b. Toxic exposure through inhalation, injection or dermal routes.		

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CONTAINER STRUCTURAL STANDARDS			
ACI22	Identify container components and main structural members (Institute of International Container Lessors, Ltd.- "Guide for Container Equipment Inspection").	_____	_____
ACI23	Identify structural standards for domestic and international containers (49CFR450-453; Chapter 9, COMDTINST M16000.11; IICL "Guide for Container Equipment Inspection").	_____	_____
ACI24	Explain structural serviceability requirements for containers containing Class 1 (explosive) materials (49CFR176.172; DOD MIL-HDBK 138A, "Container Inspection Handbook for Commercial and Military Intermodal Containers").	_____	_____
ACI25	Describe the following required container markings (49CFR450-453; Chapter 9, COMDTINST M16000.11; IICL "Guide for Container Equipment Inspection"):	_____	_____
	a. CSC Safety Approval Plate, and	_____	_____
	b. Gross weight.	_____	_____
ACI26	Describe the differences between the Approved Continuous Examination Program (ACEP) and periodic examinations programs (49CFR452; Chapter 9, COMDTINST M16000.11).	_____	_____

ACI-2 CONTAINER INSPECTION SKILLS

<i>Task No.</i>	<i>OJT Task</i>	<i>Date Completed</i>	<i>Verifying Officer's Initials</i>
OBTAIN AND TEST APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT			
ACI27	Identify the appropriate personal protection equipment (PPE) required (SWP #160, Chapter 10 Appendix A, COMDTINST M16000.6)	_____	_____
ACI28	Demonstrate proper calibration and testing of required meters (SWWP #160, Chapter10 Appendix A, COMDTINST M16000.6).	_____	_____
ACI29	Demonstrate proper donning and utilization of personal protective equipment appropriate for conducting external container inspections (SWP #160, Chapter 10 Appendix A, COMDTINST M16000.6)	_____	_____

INSPECT INTERMODAL HAZMAT

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<i>Task No.</i>	<i>OJT Task</i>	<i>Date Completed</i>	<i>Verifying Officer's Initials</i>
CONTAINERS			
ACI30	Obtain copy of shipping papers:		
	a. Determine compliance with all applicable requirements (49CFR172 Subpart C; IMDG Vol I General Introduction, Section 9),		
	b. Select containers for inspection using the National Selection Criteria		
	c. Review shipping papers using the IMDG Code (IMDG Code Vol I).		
ACI31	Based on documentation, evaluate hazards and apply Safe Work Practices (SWP #160, Chapter 10 Appendix A, COMDTINST M16000.6).		
ACI32	Inspect externals of container to include:		
	a. Identify which external areas on freight container are inspected (Chapter 9, COMDTINST M16000.11; IICL "Guide to Container Equipment Inspection"),		
	b. The CSC Safety Approval Plate (49CFR450 Subpart C; Chapter 9, COMDTINST 16616.11).		
	c. Locate and explain the purpose of:		
	(1) Approved Continuous Examination program (ACEP) label (49CFR152) and		
	(2) Periodic examination marking (49CFR452)		
	d. Observe external condition, including appropriateness of repairs (IICL "Guide to Container Equipment Inspection" and "Repair Manual for Steel Containers").		
ACI33	Inspect external container for compliance with domestic and international Placarding regulations:		
	a. Determine if the container requires marking and/or placards and if the correct type and number of placards are properly applied and displayed (49CFR172 Subpart F; IMDG Code Vol I, General Introduction Section 8),		
	b. Determine what subsidiary placards, if any, are required (49CFR172.505; IMDG Code Vol I, b General Introduction Section 8), and		

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	c. Compare marking/placard information to shipping papers and determine if the proper placards were used (49CFR172 Subpart B; IMDG Code Vol I, General Introduction Section 8).	_____	_____
ACI34	Complete CG 5577 and CG 5577A reports.	_____	_____
INSPECT INTERMODAL HAZMAT TANK CONTAINERS			
ACI35	Inspect tank container externally:		
	a. Determine if tank container type is authorized for contents (49CFR172.101 Table, 173 Subpart F),	_____	_____
	b. Verify tank specifications and markings, including name plate, Subpart H; IMDG Code Vol I, General certification, etc. (49CFR178 Introduction, Subsection 13.1.20.1)	_____	_____
	c. Determine if the tank is in a safe condition, without material defects/damage (49CFR173.32c(d), and 178 Subpart H),	_____	_____
	d. Compare markings/placard information to shipping papers and determine compliance with Placarding requirements; including those for elevated temperatures, where appropriate (49CFR172.101, 172 Subparts D and F; IMDG Code Vol I, General Introduction, Sections 7, 8 and 13), and	_____	_____
	e. Determine compliance with periodic hydrostatic testing/visual inspection requirements (49CFR173.32b).	_____	_____

Record of Containers Inspected

Revised: 10/01/02

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NOTES

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.